

ABSTRACT

A process for the preparation of a coating, coated substrate, film or sheet, in which process a coating mixture comprising a reactive system of polyisocyanate-functional, a polyketone-functional, a polyepoxide-functional, a polyanhydride-functional and/or a poly carbonate-functional compound or polymer and a dispersion or fine powder of a compound containing a reactive hydrogen, is applied onto a substrate, resulting in a substrate coated with the coating mixture, followed by reacting the compounds mentioned above by elevating the temperature, in which the reaction temperature and consequently the reaction rate can be adjusted as desired by the addition of an additive to the coating mixture, or to one of the reactants of the coating mixture, prior to the mixing with the other component.